

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2016**

	Total	Allocation Factor	Generation	Transmission
Annual Expenses				
Western O&M				
Systemwide Expenses	5,647,649	Customers/Gen/Tran	1,799,166	3,848,483
Substation & Transmission Lines	17,858,974	Transmission	0	17,858,974
Communication & Control Equipment	1,023,989	SCADA	10,963	1,013,026
System Operation & Load Dispatch	5,139,936	SCADA/Tran	49,977	5,089,959
Subtotal Western O&M	29,670,548		1,860,106	27,810,442
	100%		6.3%	93.7%
Western General Expenses	7,161,411	% of Subtotal	448,963	6,712,448
Bureau of Reclamation O&M	8,580,500	Generation	8,580,500	0
Purchase Power	2,900,000	Gen & Tran	1,000,000	1,900,000
Capitalized Movable Equipment	946,812	% of Subtotal	59,357	887,455
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,477,457)	Transmission	(4,109)	(2,473,348)
Bureau of Reclamation Replacements	3,272,000	Generation	3,272,000	0
Principal/Interest Payments - Reclamation	81,829	Generation	81,829	0
Principal/Interest Payments - Western	21,198,664	Transmission	0	21,198,664
Total Annual Gross Expenses	71,334,308		15,298,646	56,035,661
	100%		21.4%	78.6%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,400,000	Transmission	0	4,400,000
Losses	4,400,000	Transmission	0	4,400,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	264,131	Transmission	0	264,131
Total Annual Other Revenues	10,274,131		210,000	10,064,131
	100%		2.0%	98.0%
Expenses Less Other Revenues	61,060,177		15,088,646	45,971,530
Interest Credits	0		0	0
Carryover Application	(2,912,126)		(567,438)	(2,344,689)
Total Credits & Carryover	(2,912,126)		(567,438)	(2,344,689)
Revenue Requirement	58,148,050		14,521,209	43,626,841

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2016**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

Customers		
	Count	Percentage
Transmission	55	60.44%
Generation	36	39.56%
	91	100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,441,965	0
	2,713,112	1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2017**

	Total	Allocation Factor	Generation	Transmission
Annual Expenses				
Western O&M				
Systemwide Expenses	5,678,248	Customers/Gen/Tran	1,853,813	3,824,435
Substation & Transmission Lines	17,751,191	Transmission	0	17,751,191
Communication & Control Equipment	996,105	SCADA	10,664	985,441
System Operation & Load Dispatch	5,940,919	SCADA/Tran	58,008	5,882,911
Subtotal Western O&M	30,366,463		1,922,485	28,443,978
	100%		6.3%	93.7%
Western General Expenses	8,160,656	% of Subtotal	516,647	7,644,009
Bureau of Reclamation O&M	8,920,000	Generation	8,920,000	0
Purchase Power	2,900,000	Gen & Tran	1,000,000	1,900,000
Capitalized Movable Equipment	946,812	% of Subtotal	59,943	886,869
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,483,324)	Transmission	(4,179)	(2,479,145)
Bureau of Reclamation Replacements	2,950,000	Generation	2,950,000	0
Principal/Interest Payments - Reclamation	82,643	Generation	82,643	0
Principal/Interest Payments - Western	21,505,207	Transmission	0	21,505,207
Total Annual Gross Expenses	73,348,458		15,447,539	57,900,918
	100%		21.1%	78.9%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,400,000	Transmission	0	4,400,000
Losses	4,400,000	Transmission	0	4,400,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	257,938	Transmission	0	257,938
Total Annual Other Revenues	10,267,938		210,000	10,057,938
	100%		2.0%	98.0%
Expenses Less Other Revenues	63,080,520		15,237,539	47,842,980
Interest Credits	0		0	0
Carryover Application	(4,570,669)		(716,330)	(3,854,339)
Total Credits & Carryover	(4,570,669)		(716,330)	(3,854,339)
Revenue Requirement	58,509,851		14,521,209	43,988,641

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2017**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

Customers		
	Count	Percentage
Transmission	55	60.44%
Generation	36	39.56%
	91	100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,464,465	0
	2,735,612	1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2018**

	Total	Allocation Factor	Generation	Transmission
Annual Expenses				
Western O&M				
Systemwide Expenses	5,832,698	Customers/Gen/Tran	1,904,237	3,928,461
Substation & Transmission Lines	16,234,024	Transmission	0	16,234,024
Communication & Control Equipment	1,023,199	SCADA	10,954	1,012,245
System Operation & Load Dispatch	6,102,512	SCADA/Tran	59,585	6,042,927
Subtotal Western O&M	29,192,433		1,974,776	27,217,657
	100%		6.8%	93.2%
Western General Expenses	8,340,992	% of Subtotal	564,242	7,776,750
Bureau of Reclamation O&M	9,584,500	Generation	9,584,500	0
Purchase Power	2,900,000	Gen & Tran	1,000,000	1,900,000
Capitalized Movable Equipment	946,812	% of Subtotal	64,049	882,763
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,481,639)	Transmission	(4,127)	(2,477,512)
Bureau of Reclamation Replacements	3,030,000	Generation	3,030,000	0
Principal/Interest Payments - Reclamation	83,718	Generation	83,718	0
Principal/Interest Payments - Western	22,039,178	Transmission	0	22,039,178
Total Annual Gross Expenses	73,635,995		16,297,158	57,338,836
	100%		22.1%	77.9%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,400,000	Transmission	0	4,400,000
Losses	4,400,000	Transmission	0	4,400,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	252,182	Transmission	0	252,182
Total Annual Other Revenues	10,262,182		210,000	10,052,182
	100%		2.0%	98.0%
Expenses Less Other Revenues	63,373,812		16,087,158	47,286,654
Interest Credits	0		0	0
Carryover Application	(5,044,862)		(1,565,949)	(3,478,913)
Total Credits & Carryover	(5,044,862)		(1,565,949)	(3,478,913)
Revenue Requirement	58,328,950		14,521,209	43,807,741

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2018**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

Customers		
	Count	Percentage
Transmission	55	60.44%
Generation	36	39.56%
	91	100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,453,215	0
	2,724,362	1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2019**

	Total	Allocation Factor	Generation	Transmission
Annual Expenses				
Western O&M				
Systemwide Expenses	5,991,346	Customers/Gen/Tran	1,956,031	4,035,315
Substation & Transmission Lines	16,675,589	Transmission	0	16,675,589
Communication & Control Equipment	1,051,030	SCADA	11,252	1,039,778
System Operation & Load Dispatch	6,268,501	SCADA/Tran	61,205	6,207,296
Subtotal Western O&M	29,986,466		2,028,488	27,957,978
	100%		6.8%	93.2%
Western General Expenses	8,526,233	% of Subtotal	576,772	7,949,461
Bureau of Reclamation O&M	10,147,000	Generation	10,147,000	0
Purchase Power	2,900,000	Gen & Tran	1,000,000	1,900,000
Capitalized Movable Equipment	946,812	% of Subtotal	64,049	882,763
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,390,979)	Transmission	(3,411)	(2,387,568)
Bureau of Reclamation Replacements	2,635,000	Generation	2,635,000	0
Principal/Interest Payments - Reclamation	84,431	Generation	84,431	0
Principal/Interest Payments - Western	23,520,974	Transmission	0	23,520,974
Total Annual Gross Expenses	76,355,938		16,532,329	59,823,608
	100%		21.7%	78.3%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,400,000	Transmission	0	4,400,000
Losses	4,400,000	Transmission	0	4,400,000
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	263,374	Transmission	0	263,374
Total Annual Other Revenues	10,273,374		210,000	10,063,374
	100%		2.0%	98.0%
Expenses Less Other Revenues	66,082,564		16,322,329	49,760,234
Interest Credits	0		0	0
Carryover Application	(6,145,614)		(1,801,121)	(4,344,493)
Total Credits & Carryover	(6,145,614)		(1,801,121)	(4,344,493)
Revenue Requirement	59,936,950		14,521,209	45,415,741

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2019**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

Customers		
	Count	Percentage
Transmission	55	60.44%
Generation	36	39.56%
	91	100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,553,215	0
	2,824,362	1,425,045

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2020**

	Total	Allocation Factor	Generation	Transmission
Annual Expenses				
Western O&M				
Systemwide Expenses	6,154,309	Customers/Gen/Tran	2,009,233	4,145,076
Substation & Transmission Lines	17,129,166	Transmission	0	17,129,166
Communication & Control Equipment	1,079,618	SCADA	11,558	1,068,060
System Operation & Load Dispatch	6,439,004	SCADA/Tran	62,871	6,376,133
Subtotal Western O&M	30,802,097		2,083,662	28,718,435
	100%		6.8%	93.2%
Western General Expenses	8,716,512	% of Subtotal	589,644	8,126,868
Bureau of Reclamation O&M	10,339,000	Generation	10,339,000	0
Purchase Power	2,900,000	Gen & Tran	1,000,000	1,900,000
Capitalized Movable Equipment	946,812	% of Subtotal	64,049	882,763
Multi-Project (SCADA, Mead, Phoenix Service Center)	(2,097,058)	Transmission	(3,109)	(2,093,949)
Bureau of Reclamation Replacements	1,763,000	Generation	1,763,000	0
Principal/Interest Payments - Reclamation	85,171	Generation	85,171	0
Principal/Interest Payments - Western	24,149,273	Transmission	0	24,149,273
Total Annual Gross Expenses	77,604,807		15,921,417	61,683,390
	100%		20.5%	79.5%
Other Revenues				
Transmission				
Nonfirm/Short-Term Firm (OASIS)	4,467,030	Transmission	0	4,467,030
Losses	4,467,030	Transmission	0	4,467,030
Nonfirm Energy				
Other	0	Generation	0	0
Surplus / Excess	0	Generation	0	0
Ancillary Services				
Generation Supported (e.g. VAR Support, Reserves)	210,000	Generation	210,000	0
Transmission Supported (e.g. Scheduling Service)	0	Transmission	0	0
Miscellaneous				
Facilities Use Charges	1,000,000	Transmission	0	1,000,000
Western Miscellaneous	0	Transmission	0	0
Reclamation Miscellaneous	0	Generation	0	0
Transfers from Other Western Projects	263,374	Transmission	0	263,374
Total Annual Other Revenues	10,407,434		210,000	10,197,434
	100%		2.0%	98.0%
Expenses Less Other Revenues	67,197,373		15,711,417	51,485,956
Interest Credits	0		0	0
Carryover Application	(7,605,403)		(1,190,208)	(6,415,195)
Total Credits & Carryover	(7,605,403)		(1,190,208)	(6,415,195)
Revenue Requirement	59,591,970		14,521,209	45,070,761

**PARKER-DAVIS PROJECT
COST APPORTIONMENT STUDY
FY2020**

Cost Allocation Factors & Rate Design Loads

SCADA Points		
	Number	Percentage
Generation	91	1.071%
Transmission	8,409	98.929%
	8,500	100%

Customers		
	Count	Percentage
Transmission	55	60.44%
Generation	36	39.56%
	91	100%

Rate Design Loads		
	Avg CROD kW	Energy MWh
Firm Electric Service - AOF	233,844	1,229,778
Firm Electric Service - Project Use	37,303	195,267
Firm Transmission	2,531,761	0
	2,802,908	1,425,045